

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/466,343C

1812

DATE: 01/07/97
TIME: 17:19:12

INPUT SET: S14836.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

1
2
3 (1) General Information:
4 (i) APPLICANT: LI, Yi
5 (ii) TITLE OF INVENTION: Human G-Protein Chemokine
6 Receptor HDG NR10
7 (iii) NUMBER OF SEQUENCES: 9
8 (iv) CORRESPONDENCE ADDRESS:
9 (A) ADDRESSEE: Carella, Byrne, Bain, Gilfillan,
10 Cecchi, Stewart & Olstein
11 (B) STREET: 6 Becker Farm Road
12 (C) CITY: Roseland
13 (D) STATE: NJ
14 (E) COUNTRY: USA
15 (F) ZIP: 07068-1739
16
17 (v) COMPUTER READABLE FORM:
18 (A) MEDIUM TYPE: Floppy disk
19 (B) COMPUTER: IBM PC compatible
20 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
21 (D) SOFTWARE: WordPerfect 5.1, Dos Text File
22
23 (vi) CURRENT APPLICATION DATA:
24 (A) APPLICATION NUMBER: 08/466,343
25 (B) FILING DATE: 6 JUN 1996
26 (C) CLASSIFICATION:
27
28 (viii) ATTORNEY/AGENT INFORMATION:
29 (A) NAME: MULLINS, J.G.
30 (B) REGISTRATION NUMBER: 33,073
31 (C) REFERENCE/DOCKET NUMBER: 325800-449
32
33 (ix) TELECOMMUNICATION INFORMATION:
34 (A) TELEPHONE: 201-994-1700
35 (B) TELEFAX: 201-994-1744
36
37
38
39 (2) INFORMATION FOR SEQ ID NO:1:
40 (i) SEQUENCE CHARACTERISTICS:
41 (A) LENGTH: 1414 BASE PAIRS
42 (B) TYPE: NUCLEIC ACID
43 (C) STRANDEDNESS: SINGLE
44 (D) TOPOLOGY: LINEAR
45
46 (ii) MOLECULE TYPE: cDNA

RAW SEQUENCE LISTING PATENT APPLICATION US/08/466,343C

DATE: 01/07/97
TIME: 17:19:14

INPUT SET: S14836.raw

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47
48      (xi) SEQUENCE DESCRIPTION:  SEQ ID NO:1:
49
50  GTGAGATGGT GCTTTCATGA ATTCCCCCAA CAAGAGCCAA GCTCTCCATC TAGTGGACAG      60
51
52  GGAAGCTAGC AGCAAACCTT CCCTTCACTA CGAAACTTCA TTGCTTGGCC CAAAAGAGAG      120
53
54  TTAATTCAAT GTAGACATCT ATGTAGGCAA TTA AAAACCT ATTGATGTAT AAAACAGTTT      180
55
56  GCATTCATGG AGGGCAACTA AATACATTCT AGGACTTTAT AAAAGATCAC TTTTATTATTA      240
57
58  TGCACAGGGT GGAACAAG ATG GAT TAT CAA GTG TCA AGT CCA ATC TAT GAC      291
59                      Met Asp Tyr Gln Val Ser Ser Pro Ile Tyr Asp
60                      5                      10
61
62  ATC AAT TAT TAT ACA TCG GAG CCC TGC CCA AAA ATC AAT GTG AAG CAA      339
63  Ile Asn Tyr Tyr Thr Ser Glu Pro Cys Pro Lys Ile Asn Val Lys Gln
64                      15                      20                      25
65
66  ATC GCA GCC CGC CTC CTG CCT CCG CTC TAC TCA CTG GTG TTC ATC TTT      387
67  Ile Ala Ala Arg Leu Leu Pro Pro Leu Tyr Ser Leu Val Phe Ile Phe
68                      30                      35                      40
69
70  GGT TTT GTG GGC AAC ATG CTG GTC ATC CTC ATC CTG ATA AAC TGC CAA      435
71  Gly Phe Val Gly Asn Met Leu Val Ile Leu Ile Leu Ile Asn Cys Gln
72                      45                      50                      55
73
74  AGG CTG GAG AGC ATG ACT GAC ATC TAC CTG CTC AAC CTG GCC ATC TCT      483
75  Arg Leu Glu Ser Met Thr Asp Ile Tyr Leu Leu Asn Leu Ala Ile Ser
76                      60                      65                      70                      75
77
78  GAC CTG TTT TTC CTT CTT ACT GTC CCC TTC TGG GCT CAC TAT GCT GCC      531
79  Asp Leu Phe Phe Leu Leu Thr Val Pro Phe Trp Ala His Tyr Ala Ala
80                      80                      85                      90
81
82  GCC CAG TGG GAC TTT GGA AAT ACA ATG TGT CAA CTC TTG ACA GGG CTC      579
83  Ala Gln Trp Asp Phe Gly Asn Thr Met Cys Leu Leu Thr Gly Leu Tyr
84                      95                      100                      105
85
86  TAT TTT ATA GGC TTC TTC TCT GGA ATC TTC TTC ATC ATC CTC CTG ACA      627
87  Phe Ile Gly Phe Phe Ser Gly Ile Phe Phe Ile Ile Gln Leu Leu Thr
88                      110                      115                      120
89
90  ATC GAT AGG TAC CTG GCT ATC GTC CAT GCT GTG TTT GCT TTA AAA GCC      675
91  Ile Asp Arg Tyr Leu Ala Ile Val His Ala Val Phe Ala Leu Lys Ala
92                      125                      130                      135
93
94  AGG ACG GTC ACC TTT GGG GTG GTG ACA AGT GTG ATC ACT TGG GTG GTG      723
95  Arg Thr Val Thr Phe Gly Val Val Thr Ser Val Ile Thr Trp Val Val
96                      140                      145                      150                      155
97
98  GCT GTG TTT GCG TCT CTC CCA GGA ATC ATC TTT ACC AGA TCT CAA AAA      771
99  Ala Val Phe Ala Ser Leu Pro Gly Ile Ile Phe Thr Arg Ser Gln Lys

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RAW SEQUENCE LISTING PATENT APPLICATION US/08/466,343C

DATE: 01/07/97
TIME: 17:19:16

INPUT SET: S14836.raw

| | | | | | | | |
|-----|--|-----|-----|-----|-----|-----|------|
| 100 | | 160 | | 165 | | 170 | |
| 101 | | | | | | | |
| 102 | GAA GGT CTT CAT TAC ACC TGC AGC TCT CAT TTT CCA TAC AGT CAG TAT | | | | | | 819 |
| 103 | Glu Gly Leu His Tyr Thr cys Ser Ser His Phe Pro Tyr Ser Gln Tyr | | | | | | |
| 104 | | 175 | | 180 | | 185 | |
| 105 | | | | | | | |
| 106 | CAA TTC TGG AAG AAT TTC CAG ACA TTA AAG ATA GTC ATC TTG GGG CTG | | | | | | 867 |
| 107 | Gln Phe Trp Lys Asn Phe Gln Thr Leu Lys Ile Val Ile Leu Gly Leu | | | | | | |
| 108 | | 190 | | 195 | | 200 | |
| 109 | | | | | | | |
| 110 | GTC CTG CCG CTG CTT GTC ATG GTC ATC TGC TAC TCG GGA ATC CTA AAA | | | | | | 915 |
| 111 | Val Leu Pro Leu Leu Val Met Val Ile Cys Tyr Ser Gly Ile Leu Lys | | | | | | |
| 112 | | 205 | | 210 | | 215 | |
| 113 | | | | | | | |
| 114 | ACT CTG CTT CGG TGT CGA AAT GAG AAG AAG AGG CAC AGG GCT GTG AGG | | | | | | 963 |
| 115 | Thr Leu Leu Arg Cys Arg Asn Glu Lys Lys Arg His Arg Ala Val Arg | | | | | | |
| 116 | 220 | | 225 | | 230 | 235 | |
| 117 | | | | | | | |
| 118 | CTT ATC TTC ACC ATC ATG ATT GTT TAT TTT CTC TTC TGG GCT CCC TAC | | | | | | 1011 |
| 119 | Leu Ile Phe Thr Ile Met Ile Val Tyr Phe Leu Phe Trp Ala Pro Tyr | | | | | | |
| 120 | | 240 | | 245 | | 250 | |
| 121 | | | | | | | |
| 122 | AAC ATT GTC CTT CTC CTG AAC ACC TTC CAG GAA TTC TTT GGC CTG AAT | | | | | | 1059 |
| 123 | Asn Ile Val Leu Leu Leu Asn Thr Phe Gln Glu Phe Phe Gly Leu Asn | | | | | | |
| 124 | | 255 | | 260 | | 265 | |
| 125 | | | | | | | |
| 126 | AAT TGC AGT AGC TCT AAC AGG TTG GAC CAA GCT ATG CAG GTG ACA GAG | | | | | | 1107 |
| 127 | Asn Cys Ser Ser Ser Asn Arg Leu Asp Gln Ala Met Gln Val Thr Glu | | | | | | |
| 128 | | 270 | | 275 | | 280 | |
| 129 | | | | | | | |
| 130 | ACT CTT GGG ATG ACG CAC TGC TGC ATC AAC CCC ATC ATC TAT GCC TTT | | | | | | 1155 |
| 131 | Thr Leu Gly Met Thr His Cys Cys Ile Asn Pro Ile Ile Tyr Ala Phe | | | | | | |
| 132 | | 285 | | 290 | | 295 | |
| 133 | | | | | | | |
| 134 | GTC GGG GAG AAG TTC AGA AAC TAC CTC TTA GTC TTC TTC CAA AAG CAC | | | | | | 1203 |
| 135 | Val Gly Glu Lys Phe Arg Asn Tyr Leu Leu Val Phe Phe Gln Lys His | | | | | | |
| 136 | 300 | | 305 | | 310 | 315 | |
| 137 | | | | | | | |
| 138 | ATT GCC AAA CGC TTC TGC AAA TGC TGT TCT ATT TTC CAG CAA GAG GCT | | | | | | 1251 |
| 139 | Ile Ala Lys Arg Phe Cys Lys Cys Cys Ser Ile Phe Gln Gln Glu Ala | | | | | | |
| 140 | | 320 | | 325 | | 330 | |
| 141 | | | | | | | |
| 142 | CCC GAG CGA GCA AGC TCA GTT TAC ACC CGA TCC ACT GGG GAG CAG GAA | | | | | | 1299 |
| 143 | Pro Glu Arg Ala Ser Ser Val Tyr Thr Arg Ser Thr Gly Glu Gln Glu | | | | | | |
| 144 | | 335 | | 340 | | 345 | |
| 145 | | | | | | | |
| 146 | ATA TCT GTG GGC TTG TGACACGGAC TCAAGTGGGC TGGTGACCCA GTCAGAGTTG | | | | | | 1354 |
| 147 | Ile Ser Val Gly Leu | | | | | | |
| 148 | | 350 | | | | | |
| 149 | TGCACATGGC TTAGTTTTC TACACAGCCT GGGCTGGGGG TGGGGTGGAA GAGGTCTTTT | | | | | | 1414 |
| 150 | | | | | | | |
| 151 | | | | | | | |
| 152 | (2) INFORMATION FOR SEQ ID NO:2: | | | | | | |

RAW SEQUENCE LISTING PATENT APPLICATION US/98/466,343C

DATE: 01/07/97
TIME: 17:19:19

INPUT SET: S14836.raw

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153 (i) SEQUENCE CHARACTERISTICS:
154 (A) LENGTH: 352 AMINO ACIDS
155 (B) TYPE: AMINO ACID
156 (C) STRANDEDNESS:
157 (D) TOPOLOGY: LINEAR
158
159 (ii) MOLECULE TYPE: PROTEIN
160
161 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
162
163 Met Asp Tyr Gln Val Ser Ser Pro Ile Tyr Asp Ile Asn Tyr Tyr
164 5 10 15
165
166 Thr Ser Glu Pro Cys Pro Lys Ile Asn Val Lys Gln Ile Ala Ala
167 20 25 30
168
169 Arg Leu Leu Pro Pro Leu Tyr Ser Leu Val Phe Ile Phe Gly Phe
170 35 40 45
171
172 Val Gly Asn Met Leu Val Ile Leu Ile Leu Ile Asn Cys Gln Arg
173 50 55 60
174
175 Leu Glu Ser Met Thr Asp Ile Tyr Leu Leu Asn Leu Ala Ile Ser
176 65 70 75
177
178 Asp Leu Phe Phe Leu Leu Thr Val Pro Phe Trp Ala His Tyr Ala
179 80 85 90
180
181 Ala Ala Gln Trp Asp Phe Gly Asn Thr Met Cys Leu Leu Thr Gly
182 95 100 105
183
184 Leu Tyr Phe Ile Gly Phe Phe Ser Gly Ile Phe Phe Ile Ile Gln
185 110 115 120
186
187 Leu Leu Thr Ile Asp Arg Tyr Leu Ala Ile Val His Ala Val Phe
188 125 130 135
189
190 Ala Leu Lys Ala Arg Thr Val Thr Phe Gly Val Val Thr Ser Val
191 140 145 150
192
193 Ile Thr Trp Val Val Ala Val Phe Ala Ser Leu Pro Gly Ile Ile
194 155 160 165
195
196 Phe Thr Arg Ser Gln Lys Glu Gly Leu His Tyr Thr cys Ser Ser
197 170 175 180
198
199 His Phe Pro Tyr Ser Gln Tyr Gln Phe Trp Lys Asn Phe Gln Thr
200 185 190 195
201
202 Leu Lys Ile Val Ile Leu Gly Leu Val Leu Pro Leu Leu Val Met
203 200 205 210
204
205 Val Ile Cys Tyr Ser Gly Ile Leu Lys Thr Leu Leu Arg Cys Arg

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RAW SEQUENCE LISTING
PATENT APPLICATION US/08/466,343CDATE: 01/07/97
TIME: 17:19:21

INPUT SET: S14836.raw

| | | | | | | |
|-----|-----------------|---------------------|---------------------|-----|--|-----|
| 206 | | 215 | | 220 | | 225 |
| 207 | | | | | | |
| 208 | Asn Glu Lys Lys | Arg His Arg Ala Val | Arg Leu Ile Phe Thr | Ile | | |
| 209 | | 230 | | 235 | | 240 |
| 210 | | | | | | |
| 211 | Met Ile Val Tyr | Phe Leu Phe Trp Ala | Pro Tyr Asn Ile Val | Leu | | |
| 212 | | 245 | | 250 | | 255 |
| 213 | | | | | | |
| 214 | Leu Leu Asn Thr | Phe Gln Glu Phe Phe | Gly Leu Asn Asn Cys | Ser | | |
| 215 | | 260 | | 265 | | 270 |
| 216 | | | | | | |
| 217 | Ser Ser Asn Arg | Leu Asp Gln Ala Met | Gln Val Thr Glu Thr | Leu | | |
| 218 | | 275 | | 280 | | 285 |
| 219 | | | | | | |
| 220 | Gly Met Thr His | Cys Cys Ile Asn Pro | Ile Ile Tyr Ala Phe | Val | | |
| 221 | | 290 | | 295 | | 300 |
| 222 | | | | | | |
| 223 | Gly Glu Lys Phe | Arg Asn Tyr Leu Leu | Val Phe Phe Gln Lys | His | | |
| 224 | | 305 | | 310 | | 315 |
| 225 | | | | | | |
| 226 | Ile Ala Lys Arg | Phe Cys Lys Cys Cys | Ser Ile Phe Gln Gln | Glu | | |
| 227 | | 320 | | 325 | | 330 |
| 228 | | | | | | |
| 229 | Ala Pro Glu Arg | Ala Ser Ser Val Tyr | Thr Arg Ser Thr Gly | Glu | | |
| 230 | | 335 | | 340 | | 345 |
| 231 | | | | | | |
| 232 | Gln Glu Ile Ser | Val Gly Leu | | | | |
| 233 | | 350 | | | | |
| 234 | | | | | | |
| 235 | | | | | | |

(2) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 30 BASE PAIRS

(B) TYPE: NUCLEIC ACID

(C) STRANDEDNESS: SINGLE

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: Oligonucleotide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

CGGAATTCCT CCATGGATTA TCAAGTGTCA

30

(2) INFORMATION FOR SEQ ID NO:4:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 29 BASE PAIRS

(B) TYPE: NUCLEIC ACID

(C) STRANDEDNESS: SINGLE

(D) TOPOLOGY: LINEAR

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/466,343A

DATE: 11/29/96

TIME: 07:40:11

INPUT SET: S14106.raw

This Raw Listing contains the General
Information Section and those Sequences
containing ERRORS.

#15

SEQUENCE LISTING

Does Not Comply
Corrected Diskette Needed

- 1
2
3 (1) General Information:
4
5 (i) APPLICANT: LI, Yi
6
7 (ii) TITLE OF INVENTION: Human G-Protein Chemokine
8 Receptor HDGMR10
9
10 (iii) NUMBER OF SEQUENCES: 9
11
12 (iv) CORRESPONDENCE ADDRESS:
13
14 (A) ADDRESSEE: Carella, Byrne, Bain, Gilfillan,
15 Cecchi, Stewart & Olstein
16 (B) STREET: 6 Becker Farm Road
17 (C) CITY: Roseland
18 (D) STATE: NJ
19 (E) COUNTRY: USA
20 (F) ZIP: 07068-1739
21
22 (v) COMPUTER READABLE FORM:
23 (A) MEDIUM TYPE: Floppy disk
24 (B) COMPUTER: IBM PC compatible
25 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
26 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
27
28 (vi) CURRENT APPLICATION DATA:
29 (A) APPLICATION NUMBER: 08/466,343
30 (B) FILING DATE: 6 JUN 1996
31 (C) CLASSIFICATION:
32
33 (viii) ATTORNEY/AGENT INFORMATION:
34 (A) NAME: MULLINS, J.G.
35 (B) REGISTRATION NUMBER: 33,073
36 (C) REFERENCE/DOCKET NUMBER: 325800-449
37
38 (ix) TELECOMMUNICATION INFORMATION:
39 (A) TELEPHONE: 201-994-1700
40 (B) TELEFAX: 201-994-1744
41

ERRORED SEQUENCES FOLLOW:

RAW SEQUENCE LISTING PATENT APPLICATION US/08/466,343A

DATE: 11/29/96

TIME: 07:40:16

INPUT SET: S14106.raw

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--> 133 (2) INFORMATION FOR SEQ ID NO:2:
134 (i) SEQUENCE CHARACTERISTICS:
135 (A) LENGTH: 352 AMINO ACIDS (insert numeral) 352 amino acids shown
136 (B) TYPE: AMINO ACID
137 (C) STRANDEDNESS:
138 (D) TOPOLOGY: LINEAR
139
140 (ii) MOLECULE TYPE: PROTEIN
141
142 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
143
144 Met Asp Tyr Gln Val Ser Ser Pro Ile Tyr Asp Ile Asn Tyr Tyr
145 5 10 15
146
147 Thr Ser Glu Pro Cys Pro Lys Ile Asn Val Lys Gln Ile Ala Ala
148 20 25 30
149
150 Arg Leu Leu Pro Pro Leu Tyr Ser Leu Val Phe Ile Phe Gly Phe
151 35 40 45
152
153 Val Gly Asn Met Leu Val Ile Leu Ile Leu Ile Asn Cys Gln Arg
154 50 55 60
155
156 Leu Glu Ser Met Thr Asp Ile Tyr Leu Leu Asn Leu Ala Ile Ser
157 65 70 75
158
159 Asp Leu Phe Phe Leu Leu Thr Val Pro Phe Trp Ala His Tyr Ala
160 80 85 90
161
162 Ala Ala Gln Trp Asp Phe Gly Asn Thr Met Cys Leu Leu Thr Gly
163 95 100 105
164
165 Leu Tyr Phe Ile Gly Phe Phe Ser Gly Ile Phe Phe Ile Ile Gln
166 110 115 120
167
168 Leu Leu Thr Ile Asp Arg Tyr Leu Ala Ile Val His Ala Val Phe
169 125 130 135
170
171 Ala Leu Lys Ala Arg Thr Val Thr Phe Gly Val Val Thr Ser Val
172 140 145 150
173
174 Ile Thr Trp Val Val Ala Val Phe Ala Ser Leu Pro Gly Ile Ile
175 155 160 165
176
177 Phe Thr Arg Ser Gln Lys Glu Gly Leu His Tyr Thr cys Ser Ser
178 170 175 180
179
180 His Phe Pro Tyr Ser Gln Tyr Gln Phe Trp Lys Asn Phe Gln Thr
181 185 190 195
182
183 Leu Lys Ile Val Ile Leu Gly Leu Val Leu Pro Leu Leu Val Met
184 200 205 210
185

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INPUT SET: S14106.raw

[illegible]

PAGE: 1

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/08/466,343A

DATE: 11/29/96

TIME: 07:40:26

INPUT SET: S14106.raw

| Line | Error | Original Text |
|------|--|-------------------------|
| 135 | Length must be an Integer | (A) LENGTH: AMINO ACIDS |
| 135 | Entered (0) and Calc. Seq. Length (352) differ | (A) LENGTH: AMINO ACIDS |